

Anti-LAMP2 Antibody (31840)

Product Details

Ig Type:	IgG1, k
Reactivity:	Human
Molecular Weight:	Theoretical: 45 kDa. Actual: 110 kDa.
Clone:	31840
Purification:	Protein G purified

Applications

Verified Activity:	1. 25 µg total protein per lane of various lysates (see on figure) probed with LAMP2 monoclonal antibody, unconjugated (TMAB-08212) at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
	2. Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LAMP2 Monoclonal Antibody, Unconjugated (TMAB-08212) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.
	3. Paraformaldehyde-fixed, paraffin embedded Human Thyroid Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LAMP2 Monoclonal Antibody, Unconjugated (TMAB-08212) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.
	4. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LAMP2 Monoclonal Antibody, Unconjugated (TMAB-08212) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.
	5. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LAMP2 Monoclonal Antibody, Unconjugated (TMAB-08212) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.
	6. Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LAMP2 Monoclonal Antibody, Unconjugated (TMAB-08212) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human LAMP2
Antigen Species: Human
Gene ID: 3920
Uniprot ID: P13473

Research Background

The protein encoded by the LAMP2 gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands and is thought to play a role in tumor cell metastasis. It may also function in the protection, maintenance, and adhesion of the lysosome. Alternative splicing of the gene produces two known products, LAMP2a and LAMP2b. Isoform LAMP2a is highly expressed in placenta, lung and liver and has low expression in brain and skeletal muscle. The isoform detected by this antibody, LAMP2b, is highly expressed in skeletal muscle less so in brain, placental, lung, kidney and pancreas and has very low expression in liver.

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